Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/24/2018 09:33 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	09/25/2018 11:17 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123412	-2	1.26	123439	1.23
Blue	F	SSC	125000	124717	-1	2.58	125430	2.63
Blue	E	FITC	16596	16206	-3	3.16	350	21.82
Blue	D	PE	29392	28538	-3	2.29	620	16.31
Blue	B	PerCP-Cy5-5	38531	38316	-1	4.36	1167	22.53
Blue	A	PE-Cy7	26351	26308	-1	7.66	642	44.76
Red	C	APC	43035	41939	-3	2.76	1579	13.00
Red	A	APC-Cy7	25611	25264	-2	2.80	873	12.99
Violet	B	V450	8803	8548	-3	4.44	470	14.35
Violet	A	V500	32560	31311	-4	4.12	727	11.27

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20301	3.69	607	10	N/A	N/A	Pass
Blue	F	SSC	56351	2.02	574	19	N/A	N/A	Pass
Blue	E	FITC	62	68.71	560	10	0.0161	123	Pass
Blue	D	PE	130	55.17	559	10	0.1342	284	Pass
Blue	B	PerCP-Cy5-5	224	53.09	663	12	0.0074	36	Pass
Blue	A	PE-Cy7	122	111.65	718	13	0.0092	25	Pass
Red	C	APC	370	28.19	601	4	0.0217	212	Pass
Red	A	APC-Cy7	212	28.80	575	4	0.0047	1008	Pass
Violet	B	V450	74	64.46	482	7	0.0464	2223	Pass
Violet	A	V500	109	35.23	491	7	0.0189	616	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.29	-32.05	1.08
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.52
Red	17.43	13.60 - 20.40	N/A	N/A	29.44	29.74	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 11409

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments